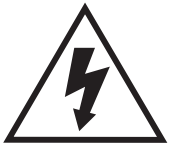
# POD® HD Pro

## Pilot's Handbook

**Manuel de pilotage**
**Pilotenhandbuch**
**Pilotenhandboek**
**Manual del Piloto**
**取扱説明書**

**Go to www.line6.com/manuals and download the Advanced User Guide**

# Important Safety Instructions



**CAUTION**

**RISK OF ELECTRIC SHOCK DO NOT OPEN**

**WARNING** : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**WARNING** : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE APPLIANCE TO RAIN OR MOISTURE.

**CAUTION:** This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The lightning symbol within a triangle means “electrical caution!” It indicates the presence of information about operating voltage and potential risks of electrical shock.

The exclamation point within a triangle means “caution!” Please read the information next to all caution signs.

**Please Note:**
**Line 6, POD, L6 Link and Variax are trademarks of Line 6, Inc. registered in the U.S. and other countries.**
**DT50 is a trademark of Line 6, Inc. All rights reserved.**

SERIAL NO: _____

## You should read these Important Safety Instructions. Keep these instructions in a safe place

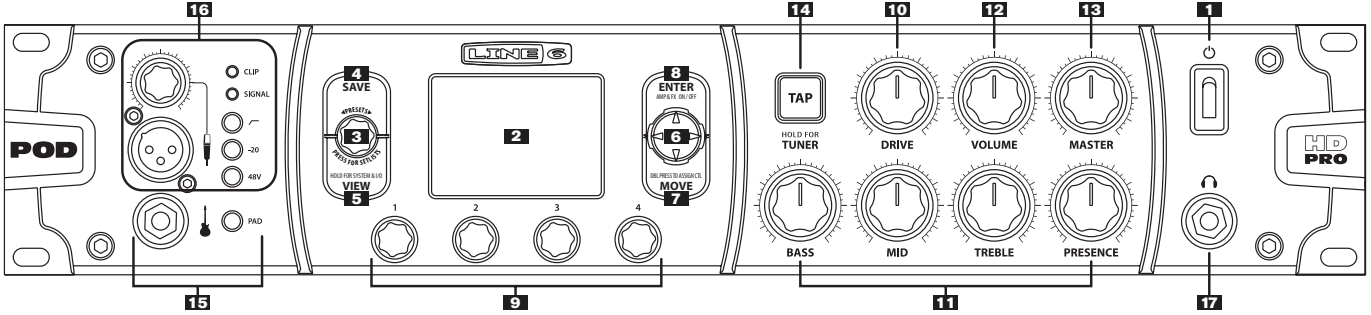
- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not Block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- This apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- WARNING: To reduce the risk of fire or electric shock do not expose this apparatus to rain or moisture.
- The appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Connect only to AC power outlets rated: 100/120V 220/240V 50/60Hz (depending on the voltage range of the included power supply).
- Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening."
- Service is required when the apparatus has been damaged in any way, such as:
  - power-supply cord or plug is damaged.
  - liquid has been spilled or objects have fallen into the apparatus.
  - the unit has been exposed to rain or moisture.
  - the unit is dropped or the enclosure is damaged.
  - the unit does not operate normally or changes in performance in a significant way.

# Welcome To POD HD Pro

Thank you for inviting POD HD Pro home with you! Our engineers have worked long and hard to bring you the new POD HD series of multi-effects processors. Featuring brand new HD Amp modeling, POD HD Pro also features effects taken from our industry standard M series of products - M5, M9 & M13. But that's not all! POD HD processors are the first products to feature L6 LINK, an exclusive connectivity protocol that opens up a whole new world of features and control for serious musicians when used with other compatible products (for example, DT50 series guitar amplifiers from Line 6!)

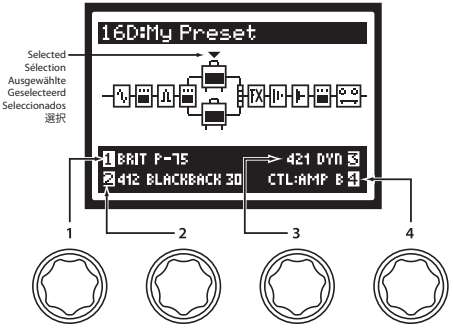
When you're ready to get deeper, we recommend you get the Advanced User Guide & Model Gallery for POD HD Pro by visiting us online at www.line6.com/manuals. And while you are online, be sure and download the free POD HD Pro Edit software application from our Downloads page. Basic operations are covered here in this user manual, so let's get started.

# Front Panel Controls

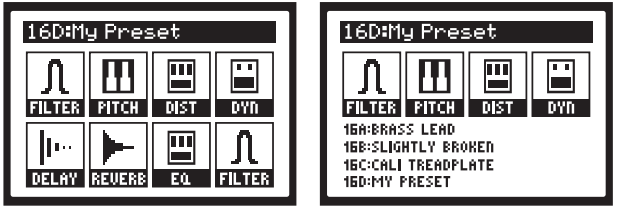


1. **Power -** Flip this up to bring your POD HD Pro to life.
2. **Display -** The LCD is your window into the power of the POD HD Pro.

**Home Pages -** The default view on your POD. There are 3 user-selectable views for the **Home Page**.

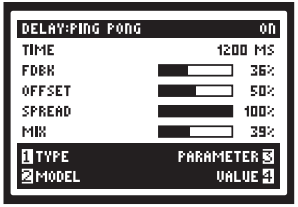



The **Signal Flow View** shows you all the Amp and FX Model "Blocks" in your signal chain. From this view you can edit or move any component affecting your tone in the signal path. Use the **4 Way Nav Pad** to select an Amp, FX, or Looper Block. At the bottom of the Signal Flow View screen, as well as in most other screens, you'll see up to four parameters that are accessed using the **Multi-Function Knobs** - these parameters are specific to the currently selected Block**.**




Press the **VIEW** button to switch focus to the **Performance View**. This screen displays the FX and/or Presets that are currently assigned to your FBV MKII series foot controller footswitches. FBV Footswitch **A-D** can be configured to either toggle FX Blocks On/Off (via 5 - 8) , or provide instant access to the **A, B, C, D** Preset channels within the current Bank via the Setup Pages (Press and Hold the **VIEW** button to access System & I/O Pages).

Press the **VIEW** button once more to show the **Big User View**, which shows you the bank and channel number where the current preset is stored.




**Edit Pages -** These pages show all parameters available to tweak for a processing Block or System & I/O page. From the Signal Flow View, you can double press **ENTER** to access an edit page for the current selection Block. See the Advanced Guide available online for more information.

3. **Presets Knob / Set Lists Button -** Turn this knob to select through all stored presets. Presets are saved in groups called **Set Lists** making it easy to keep different presets grouped for specific applications. To load a new **Set List**, press the **Set Lists** button and use the **4 Way Nav** to highlight a **Set List** then press **ENTER** to load it. Press **SAVE** to rename the highlighted **Set List**. Double press **ENTER** to re-order the presets stored within the **Set List**. **Set Lists**, as well as re-ordering the presets stored within the **Set List**. **NOTE:** After re-ordering presets you must

press the **Set Lists** button in order to save any changes.

4. **Save Button -** Press this button to save changes to a factory preset or your very own custom creations – every preset location is available to be overwritten. Use the **Multi-Function knobs** to rename the preset and select the **Set List** and preset location. Press the **SAVE** button again to complete the save operation. Press any other button to cancel.

5. **View Button -** Press this button to switch from any of the 3 user selectable **Home Page** views – **Signal Flow View**, **Big User View**, or **Performance View**. Press and hold the **VIEW** button to access the **SYSTEM & I/O** edit pages where you can assign the **Display** contrast, configure inputs/outputs and assign the control behavior of FBV MKII controller footswitches.

6. **4 Way Nav Pad -** Used to move and select through options within the POD HD Pro **Display**. Press the pad left, right, up, and down to highlight items in the **Display**. This pad is also used to navigate through multiple pages.

7. **Move Button -** Press this to perform various move functions. From the **Signal Flow View** you can use the **4 Way Nav** to highlight items in the signal chain. Pressing the **MOVE** Button allows you to "grab" that item and move it elsewhere in the signal path by using the **4 Way Nav**. Press the **MOVE** Button again to "drop" the item into its new position.

   From the **Set List** page you can use the **MOVE** button to reposition presets to a new Set List or memory location.

   Double-press the **MOVE** button to assign a controller to any FX Block parameter.

   **Note:** The Looper and Amp Models have some conditional behaviors regarding their placement in the signal flow. See the Advanced User Guide for details.

8. **Enter (ON/OFF) Button –** While in **Signal Flow View**, press this button to turn Amp or FX Blocks on or off. Double-press **ENTER** to access deep edit pages. Deep edit pages display all of the editable parameters associated with the highlighted Block. Hold **ENTER** to bring focus to **Foot Switch Assign mode**.

   The **ENTER** button is also used to load **Set Lists** and presets.

9. **Multi-Function Knobs –** These four knobs provide controls for various functionality depending on the display's current focus. Generally speaking, the knobs will control parameters displayed in the lower quarter of the main display as follows: **Knob 1** controls the upper left parameter, **Knob 2** controls the lower left parameter, **Knob 3** controls the upper right parameter, and **Knob 4** controls the lower right parameter. Please refer to the Advanced User Guide for more detail.

10. **Drive - DRIVE** is like the gain knob on most amps; controlling how much "dirt" or distortion you get in the sound. POD HD Pro can run up to two amps at once so make sure you select the amp you want to be adjusting with the amp control (via the CTL: Amp parameter) before turning the **DRIVE** knob.

11. **Tone Controls - BASS**, **MID**, **TREBLE** and **PRESENCE** controls are customized for each Amp Model to provide optimal tonal control. When you turn any of these knobs, the display will briefly show the current settings of the **DRIVE**, **BASS**, **MID**, **TREBLE** and **PRESENCE** knobs. Remember, when running two amps to be sure to select the amp you want to adjust before turning these knobs.

12. **Volume Knob -** This adjusts the output level of your selected Amp Model without affecting its tone or distortion characteristics.

13. **Master Volume Knob -** This controls the overall output level of POD HD Pro, including the headphone level. Changing the **MASTER VOLUME** level does not change your tone, so you can get the tone you want at any volume level. This setting is global and is not saved when you store settings into the POD HD Pro memory locations.

    **Note:** If your external gear has mic/line level inputs, set the trim for those inputs to the minimum level and slowly bring the POD HD Pro **MASTER VOLUME** to maximum - then set the level of your external gear to taste. This approach will help get the best signal-to-noise ratio. There is also a switch which allows you to set the line outputs to **AMP** (instrument) or **LINE LEVEL**. It is recommended that you start with the **MASTER VOLUME** control set to minimum and slowly turn the control clockwise towards maximum before any audio clipping (the bad kind of distortion) occurs.

14. **Tap Tempo -** Pressing the **TAP** button a few times sets the tempo of all FX with the **TAP** feature assigned to them. Most time-based FX in POD HD can have the **TAP** setting affect parameters set to a specific note value. Press and hold **TAP** to enter **Tuner Mode**. Now you've got a fancy chromatic tuner in your **Display**.

15. **Guitar In -** Plug your guitar cable in here. If you are using high gain or active pickups you may want to push the **PAD** button on your POD HD Pro. There's really no rule, use what sounds best.

16. **Mic Input -** Plug in your microphone here and use the mic level knob above the input to get a nice, healthy level. The SIGNAL LED indicates an input signal. Reduce the mic level if the CLIP LED iluminates. Visit the **SYSTEM & I/O** edit pages to choose the Mic as an input source for your tone. When engaged, the three buttons to the right or your mic input work as follows:

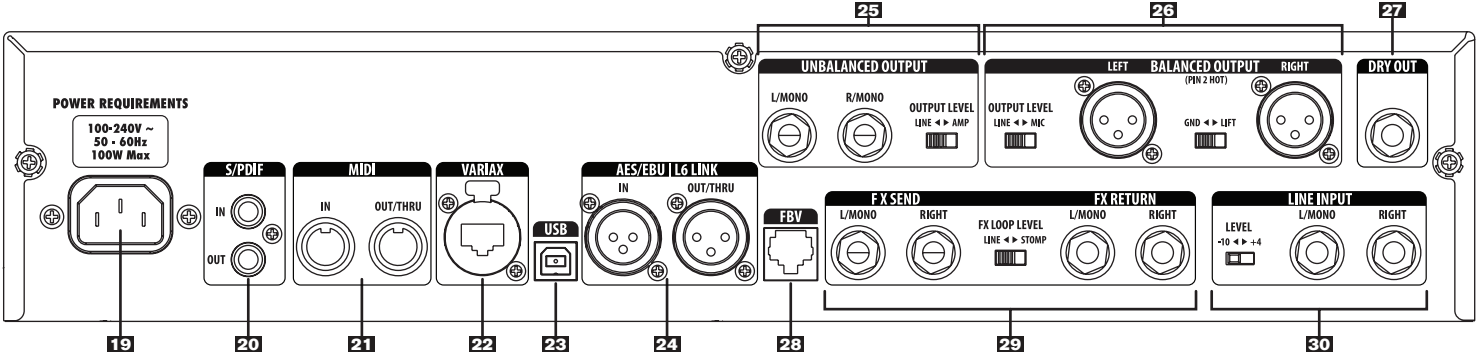
    **⌐ -** High Pass Filter provides an 12dB per octave attenuation below 75Hz. Use to eliminate low-frequency room noise or reduce microphone proximity effects.

    **-20 -** Reduces input gain by 20 dB.

    **48V -** Supplies 48V to microphones requiring phantom power.

17. **Phones -** Plug headphones in here. The volume is set by the **MASTER VOLUME** knob. Always use safe listening practices, starting with a low level and turning up from there if you need more volume.

# Rear Connections




**19. Power Cord Receptacle -** Plug in the included power cable here.

**20. S/PDIF -** The S/PDIF connectors provides 24-bit digital input and output. The **SYSTEM & I/O** edit pages lets you choose the sample rate and adjust the output level.

**21. MIDI -** Connect POD HD Pro to your MIDI equipment to send and receive Program Change Messages for selecting presets. POD HD Pro **MIDI OUT/THRU** connects to another device's MIDI IN; its **MIDI IN** goes to another device's MIDI OUT.

**22. Variax® Digital Interface -** This input provides power and a direct digital audio connection between a Line 6 Variax guitar or bass and the POD HD Pro. Visit the **SYSTEM & I/O** edit pages to assign signal routing options.

When you are ready to connect a Variax, use only Line 6 supplied Variax-compatible cables – not standard Ethernet or other cables – to avoid damage to the jack.

You can learn more about the Variax family of guitars, each one giving you the sound of an entire guitar collection in one instrument, at www.line6.com.

**23. USB -** The USB jack lets you connect directly to a USB-equipped computer for direct recording and to take advantage of many computer-powered features including free, downloadable editor/librarian software, POD HD Pro Edit. Visit us online at www.line6.com/manuals for additional information.

**24. AES/EBU -** These connectors provide 24-bit digital input and output. The System & I/O edit pages lets you choose the sample rate and adjust the output level. You can optionally switch from **AES/EBU OUT** to **L6 LINK** to use with other Line 6 products equipped with L6 LINK (**OUT/THRU** only).

**L6 LINK™ -** is a powerful, proprietary connection developed by Line 6 to enable easy, reliable, one-cable connectivity between various Line 6 products. In the case of the DT50™ Series guitar amplifiers and POD HD (PRO/500/400/300) series multi-effects processors, this connection allows both products to sync and communicate uniquely with each other. L6 LINK passes both audio and control data in a single cable, and the resul ting operation allows users to plug a single cable from their POD HD family processor into a DT50 series amp and receive many incredible benefits:

- No additional cables are required to connect a POD HD (PRO/500/400/300) to a DT50 series guitar amplifier.

- Changing Tone settings (for example) on either the POD HD or DT50 immediately updates your tone.
- Edit a preset on a POD HD by simply turning knobs on the DT50 as one would any other guitar amp, then save it on the POD HD to perfectly recall every time the preset is selected.
- This one is crazy cool! Calling up a particular Amp Model or preset on the POD HD enables the DT50 to dynamically reconfigure itself in the analog realm to optimize its components to match the source amplifier. Change your preset on a POD HD, and the DT50 will immediately align itself in the analog realm to such things as the appropriate Class A or A/B operation, Biasing method, Feedback topology, Triode/Pentode operation of the power tubes and more!
- Automatic sensing allows linked multiple (daisy chained) amps to operate in a variety of ways, depending on which POD HD is connected. At minimum, all POD HDs support stereo operation with linked DT50s, and POD HD Pro supports up to four uniquely linked amps with configurations like wet/dry mode easily available.

**25. Unbalanced Output -** Connect 1/4" cables here to send your sound to a guitar amplifier, recorder, mixer or PA system. Set the **1/4" OUT** switch on the POD HD Pro to **AMP** when sending to a guitar amp or **LINE** for devices with -10dBV inputs typical of mixers and recorders.

**26. Balanced Output -** Connect balanced XLR cables here for an ideal connection to recording devices or as direct sends to the house mixer or PA when playing live. If you are experiencing hums and buzzes, set the **XLR** switch on the POD HD Pro to **LIFT** to eliminate ground loops between your equipment.

**27. Dry Out -** This 1/4" unbalanced connection gives you an unprocessed guitar signal, tapped off of your POD HD Pro's guitar input. This is perfect for recording when you want to re-amp or use plugins to process your guitar track.

**28. FBV -** Connect an optional foot controller here, including the FBV, FBV MKII Shortboard, and FBV MKII Express. Note that POD HD does not work with the older Line 6 Floor Board or FBV2.

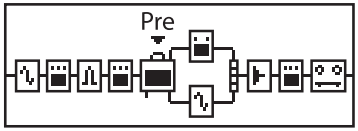
**29. FX LOOP -** Provides two jacks for stereo **FX SEND** and two jacks for stereo **FX RETURN**. Set the **FX LOOP LEVEL** switch to **LINE** to operate at higher peak-to-peak voltage, making it optimal for line level devices. The loop can also be used with stomp boxes by setting the **FX LOOP LEVEL** switch to **STOMP**.

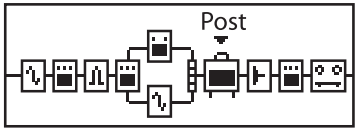
**30. Line Input -** These two unbalanced 1/4" inch inputs can be used for a second guitar , keyboard, or just about any other instrument with one or two 1/4" outputs. Use the **SYSTEM & I/O** edit pages to assign these inputs as a source to the signal path.

# Editing Your Tone – The Basics

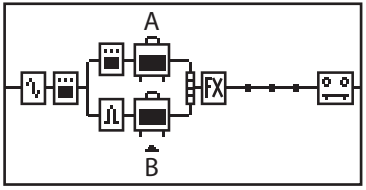
## Amp Blocks

A single Amp Block can be placed in the "Pre" or "Post" signal flow positions...



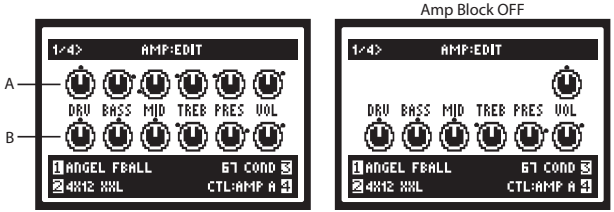

...or, two Amps can be used if positioned within the Paths A & B. You can remove Amp Block B from the signal path in any dual Amp Block preset by selecting Amp Block A and moving it to a pre or post position using the **MOVE** button.



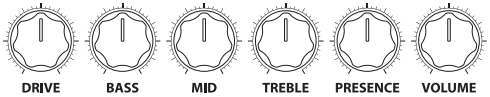

The Amp Blocks have 3 available states: On, Off (bypassed) or Disabled (sometimes referred to as a "Null" state for the Block).

## Editing Amp, Cab & Mic Parameters

When an Amp Block is selected, you can use the Multi-function knobs 1 - 4 to select Amp, Cabinet, or Mic Models. When using a dual amp setup, Knob 4 allows you to assign which amp gets controlled by the **DRIVE**, **VOLUME**, and **TONE** knobs.


A
B
1/4> AMP:EDIT
DRV BASS MID TREB PRES VOL
1 ANGEL FBALL 67 COND 3
2 4X12 XXL CTL:AMP A 4
Amp Block OFF
1/4> AMP:EDIT
DRV BASS MID TREB PRES VOL
1 ANGEL FBALL 67 COND 3
2 4X12 XXL CTL:AMP A 4

Turn any of the Amp Tone knobs to adjust the desired settings for the selected Amp.

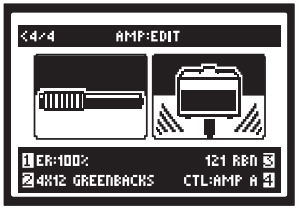



Whenever you adjust any of the Amp Tone knobs, you'll see the "Momentary" **AMP: EDIT** LCD screen temporarily displayed, showing the actual values of the Tone knobs for both current Amp A & Amp B Models. Or, to manually display the **AMP:EDIT** screens, double-press the **ENTER** button when an Amp Model is selected. You'll see the screen's respective controls adjust as you adjust the **DRIVE**, **VOLUME**, and **TONE** knobs. The black "dots" around each knob indicate its last-saved value. With an Amp Block off you'll see only a VOL knob. This is a separate parameter strictly for the Amp Model's Bypass Volume. Use the **VOLUME** knob on your device to adjust this, and its value is stored separately with the Preset for whenever the Amp Block is Bypassed.

You can use the Amp Model deep edit parameters to completely change the behavior of any amp model from subtle to extreme. It's like having your very own amp techinician by your side. From page 1 of the **AMP:EDIT** screen, press the **4 Way Nav Pad** right arrow button to view page 2. **Knob 1 -** MASTER sets the amount of power amp distortion. This parameter is highly interactive with all deep edit parameters. **Knob 2 -** Sets the amount of SAG in the power amp. At higher settings the model becomes "squishy" with more touch sensitivity and improved sustain. **Knob 3 -** Controls how much heater hum and AC ripple interacts with your tone. At maximum setting things get really freaky - you've been warned. **Knob 4 -** Sets the **Multi-Function** knobs to alter the settings on this page for Amp A or Amp B.

Press the **4 Way Nav Pad** right arrow button again to view page 3. **Knob 1 -** Adjusts the bias of the power tubes. At maximum the amp is operating in Class A. Set to minimum you get a very "cold" Class AB biasing. **Knob 2 -** Bias Excursion is a phenomenon that occurs only as the power tubes are pushed. Set low for a tighter feel. Set high for more tube compression (**Note:** Turn **DRIVE** & MASTER up to experience this phenomenon). **Knob 4 -** Sets the **Multi-Function** knobs to alter the settings on this page for Amp A or Amp B.

Press the **4 Way Nav Pad** right arrow button one more time to view page 4. **Knob 1 -** Sets the amount of "early reflections." Higher settings add more reflective room sound to your tone. **Knob 2 -** Turn to change Cabinet Models . **Knob 3 -** Selects Microphone type. **Knob 4 -** Sets the **Multi-Function** knobs to alter the settings on this page for Amp A or Amp B.




**NOTE:** When scrolling through the Amp Models, you'll see that we've also included a complete set of "Preamp" versions of each Amp as well. You can choose one of these to obtain the tone of just the preamp stage of the amp. This can be very useful if you want to run your POD HD Pro output into an external amplifier. Deep editing parameters are not applicable to the Preamp Models.

## FX Blocks

For each Preset there is always a total of 8 FX Blocks, each capable of loading any FX Models or the FX Loop. When in the Signal Flow View screen, select any FX Block and you'll see options at the bottom of the screen, adjustable using the Multi-Function Knobs 1-4. From the **Signal Flow View** with an FX Block selected **Knob 1 -** Select from among the FX Model categories - Dynamics, Distortion, Modulation, Filter, Pitch, EQ, Delay, Reverb, Vol/Pan, Wah, FX Loop, or none. **Knob 2 -** Choose the desired Model from the Model Type list. **Knob 3 -** Choose from up to 5 adjustable parameters for the selected FX Model. Alternatively, double-press the **ENTER** button to display the Edit Mode screen, where all parameters are simultaneously viewable for the selected FX Model. **Knob 4 -** Adjusts the value for the currently selected parameter.

Each FX Block also offers the following features. **On/Off:** Toggle the FX Block "On" or "Off" by pressing the **ENTER** button once. Your signal will still flow through the effect, but will not be processed by it. **Move FX Position:** To move any FX Block, start within the Signal Flow View and select the FX Block to be moved. Press the **MOVE** button and you'll see the selected FX Block appear "raised" to indicate it is now moveable. Use the **4 Way Nav Pad** to move the FX Block to the desired position. Once the FX Block is in the desired Position, press the **MOVE** button again to drop it into place.

## FX Loop

You can select to load the FX Loop in any one of the 8 FX Blocks. This allows you to position the POD HD Pro hardware FX Loop anywhere you like within the current Preset's signal path.

Just as with FX, you can access options for the FX Loop at the bottom of the Signal Flow View, or in the Edit Mode screen. You can also toggle the FX Loop "On" or "Off" by pressing the **ENTER** button.

## Mixer Block

The Mixer is permanently positioned at the end of the parallel Paths A & B and provides individual Level and Pan controls for each Path's output before fed to the "Post" position. When the Mixer is selected in the Signal Flow View, its four parameters are available at the bottom of the screen, accessible using the Multi-function Knobs 1-4. **Knob 1 - Volume A** controls the volume level of the Path A output. 0 dB is unity gain. **Knob 2 - Volume B** controls the volume level of the Path B output. 0 dB is unity gain. **Knob 3 - Pan A** adjusts the left/right stereo balance of the Path A output. **Knob 4 - Pan B** adjusts the left/right stereo balance of the Path B output.

**Note:** Changes to the mixer levels can affect the way any post-positioned Amp and FX Blocks are driven. For example, turning up the mixer in front of an Amp Model may cause the amp's distortion characteristic to change...a testament to the authentic behavior of our Amp Models.

## Expression Pedal Assignment

POD HD Pro includes two controllers for use with an FBV Pedal; EXP 1 and EXP 2, each of which can be assigned to the Amp Models' tone controls as well as any FX or Amp Model parameter. The EXP 1 and EXP 2 Pedal Modes can each be assigned to control independent FX parameters. Click your FBV "toe switch" to toggle between EXP 1 and EXP 2. When an Expression Pedal is connected to the **PEDAL 2** input on the back of an FBV Shortboard MKII it controls EXP 2.

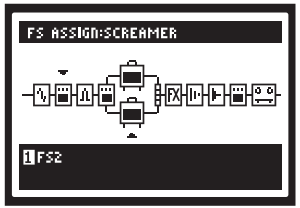
## Controlling Amp & FX Parameters

Configuring the **EXP 1** and **EXP 2** parameter assignments is done within

the **Controller Assign** screen. To access the Controller Assign screen, go to the Signal Flow View and select the Amp or FX Block for which you'd like to create a controller assignment. Select the desired Amp or FX Block, then double-press the **MOVE** button. The Controller Assign screen is then displayed specifically for the Amp or FX Model currently loaded in the selected Block. Use the Multi-function Knobs 1-4 to configure the Pedal assignments options specifically for this FX Model. **Knob 1 -** Selects the parameter for the current Model that you want to control. **Knob 2 -** Selects the controller that you want to assign to the parameter. Choose **Off** to have no Pedal assignment, or choose **EXP 1** or **EXP 2**. **Knob 3 -** Sets the parameter value you'd like for the Pedal's "heel" position. **Knob 4 -** Sets the parameter value you'd like for the Pedal's "toe" position.

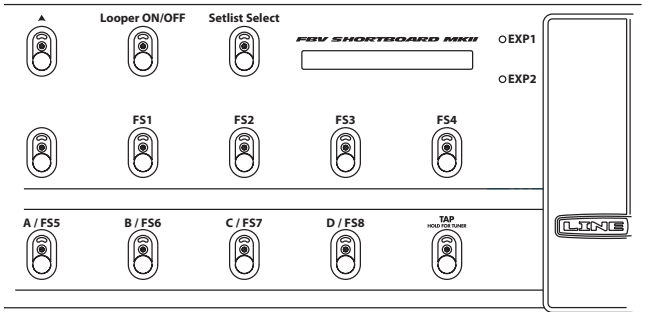
## Assigning an FX or Amp Block to an FBV Footswitch

Optional FBV MKII controllers' footswitches, as well as the Exp Pedal's "toe switch," can be configured to toggle any of the FX or Amp Blocks On/Off. From within the Signal Flow screen, select the FX or Amp Block which you want assigned to one of your footswitches. Then Press and hold the **ENTER** button to display the Footswitch Assign screen.



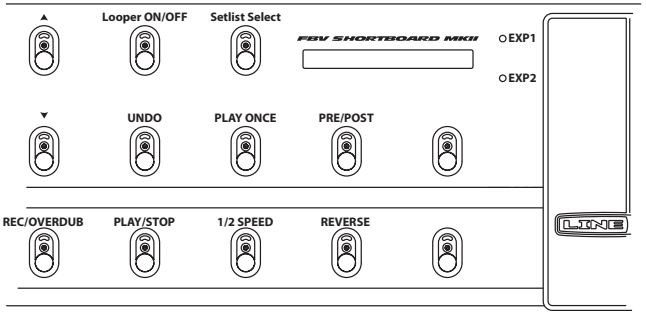

The Footswitch Assign page is similar to the Signal Flow View. Use Multi-function **Knob 1** to select the footswitch to which you want this FX Block assigned. **Note:** you can assign multiple FX Blocks to a single footswitch or Exp Pedal's "toe switch." You can reference the current Preset's FX footswitch assignments by pressing the **VIEW** button to display the **Performance View** screen.

POD HD Pro works best with all FBV MKII series controllers. We recommend the FBV Shortboard MKII for optimal performance. Your footswitch assignments control the footswitches as shown below. **Note:** FBV's A, B, C, & D switches can be reassigned to FS5-FS8 for additional On/Off FX or Amp Block control (see *System & I/O Setup*).



### Looping with an FBV MKII Shortboard

Connecting an FBV MKII Shortboard equips your POD HD Pro with up to 48 seconds of looping capability. Functionality works as follows:




The **PRE/POST (DELAY)** footswitch allows you to set your loop recording and playback either before amp and FX Modeling or after (LED off=PRE, LED on=POST). Recording in **PRE** mode (LED off) let's you record your guitar, then audition various FX with your loop playing back, while recording in **POST** mode (LED on) captures your amp and FX in the loop and then layer different sounds by changing presets. Stomp **REC/OVERDUB (A)** to start recording a loop then stomp **PLAY/STOP (B)** to end loop and immediately start playback. You can overdub additional parts by again, stomping the **REC/OVERDUB (A)** switch. Stomp **PLAY/STOP (B)** to stop or start playback. If you make a mistake on your last overdub press **UNDO (STOMP)** to erase it. Use **1/2 SPEED (C)** at any time to double the loop time normally available at Full Speed and hear playback at half the original loop speed - this changes the pitch of everything down 1 octave too. Press **REVERSE (D)** to hear your playback backwards - xirdneH imiJ ekil tsuJ. You can exit **Looper Mode** even when a loop is still playing to switch presets or turn amps and FX on/off and return back to add additional loops by pressing **LOOPER ON/OFF (FUNCTION 1)**. How cool is that?

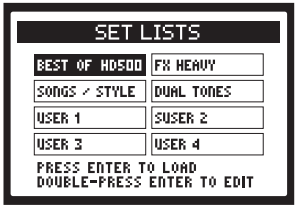
The factory default settings for the Looper Display is **ALL VIEWS**. You can set it to **PERFORMANCE VIEW** to only show in the display while in this mode. The benefit to the default is you will always know when you're in looper mode or not. The **PERFORMANCE VIEW** setting has the benefit of being able to manipulate model parameters while looping.

**Note:** Changing the state of the **PRE/POST** footswitch while the loop is playing back can dramatically change the volume, so be careful!

## Set Lists

POD HD Pro stores up 64 Presets within each of its 8 Set Lists. The big idea here is that you can load any one of these Set Lists to then gain access to any of its Preset locations.

From any screen, simply push the **PRESETS** knob to display the **Set Lists** screen.




**Load a Set List:** Use the **4 Way Nav**, or turn the **PRESETS** knob to select any Set List, then press the **ENTER** button. This immediately loads the selected Set List, making all its Presets available. Note that your previously loaded Preset is automatically closed, and the Preset of the same Bank/Channel location number from the new Set List is loaded.

**Rename a Set List:** With the desired Set List selected, press the **SAVE** button to display the **Rename Set List** screen. To edit the name, use Multi-function Knob 3 to select the desired character, then use Knob 4 to edit the character. Once complete, press **SAVE** again to commit your new name.

**Editing a Set List:** While in the Set Lists screen, double-press the **ENTER** button to display the list of Presets in the current Set List, where you can reference each Preset's Bank/Channel location, load a Preset, or rearrange the Presets into in any order you like. Use the **4 Way Nav Pad**, or turn the **PRESETS** knob to select any of the 64 locations. Press the **ENTER** button to immediately load the selected location's Preset. Press the **MOVE** button and use the **4 Way Nav Pad** to move a selected Preset to a new location,

press **MOVE** again to place it. Once you've completed all of your changes, press the **Presets** knob to commit your changes.

## Working with Presets

Each of the 8 Set Lists within POD HD Pro includes 64 Channel locations for holding Presets. Each Preset includes all current FX & Amps in use, all their parameters, their position within the signal flow, footswitch & pedal assignments, Mixer settings, as well as input options and other Setup options, as indicated throughout this Guide.

**Accessing Presets:** From any of the Home View screens, simply turn the **PRESETS** knob to increment through all 64 locations within the current Set List and immediately load the desired Preset. Alternatively, you can access Presets that reside within any Set List from within the Set List - Preset screen.

**Using FBV Footswitches:** With an FBV MKII series pedal connected the POD HD Pro also offers Preset selection completely "hands-free" by way of the Bank Up ▲ , Bank Down ▼ and Channel **A, B, C, D** (**FS5 - FS8**) Footswitches. Note that you'll need to set the **System - FS Mode** setting to **"ABCD"** to allow **FS5 - FS8** to instantly access the Channel locations. Press the **A, B, C** or **D** switch to instantly recall its Channel location within the currently selected Bank. Navigate through Banks by pressing the Bank Up ▲ and Bank Down ▼ footswitch and you'll see the Queued Bank screen displayed. Then press the **A, B, C** or **D** footswitch to load the respective Preset from the desired Bank.

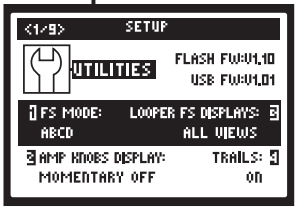
**Saving Presets:** To retain any new changes made to a Preset, or if you want to rename or move the current Preset to a different Set List and/or new Channel location, you can use the Save function. To initiate the Save function, press the **SAVE** button to display the Save Preset screen.

Use the Multi-function Knobs 1-4 to choose your Save functions. **Set List (Knob 1):** Choose any one of your 8 Set Lists here in which you'd like to save your Preset. By default, you'll see your currently loaded Set List. **Destination (Knob 2):** Choose the specific Bank/Channel location within the selected Set List to save your Preset. **Note that this will permanently overwrite the Preset within the destination location once you commit the save**. Choose an empty location if you don't wish to replace an existing Preset. **Cursor & Character (Knobs 3 & 4):** To rename your Preset, select a character with Knob 3, then use Knob 4 to edit the selected character. Once you've completed the above settings, press the **SAVE** button to commit. Or, to cancel the save, press the **PRESETS** knob or **VIEW** button.

## System & I/O Setup

To access the System & I/O options, press and hold the **VIEW** button. Here you can configure several device functions, Input & Output settings and more. There are multiple Setup pages available. Use the **4 Way Nav Pad** to navigate to the desired screen. On each page, up to four options on the lower portion of the screen can be adjusted using the **Multi-Function Knobs**.

### Page 1, Setup:Utilities Options




The top portion of the screen lists the **Flash Memory** and **USB Firmware**

versions currently installed on your POD HD Pro device. You can use Line 6 Monkey to easily check for and install all available updates. The lower portion of the screen offers four options, adjustable using the Multi-function Knobs 1 - 4.

**Knob 1 -** This option configures the function of FBV devices' footswitches A,B,C, & D to FS Assign FS5 through FS8. This setting is "global" (persists regardless of the current preset). Choose **FS 5-8** for "Pedalboard Mode," where these footswitches toggle FX Blocks 5-8 On/Off. (While in Pedalboard Mode, the A, B, C, D functions are still accessible by pressing the Bank Up/Down footswitches.) Choose **ABCD** for "Preset Mode," where these FBV footswitches act as Preset Channel switches. NOTE: When an FBV Express MKII is set to FS 5-8 **TAP** and **TUNER** functionality is disabled.

**Knob 2 -** Allows you to have the LCD screen momentarily display the Amp Tone Knob settings whenever adjusting any physical amp knob. This is a global setting.

**Knob 3 -** When the **LOOPER** footswitch is toggled on to engage Looper Mode, the Performance View screen automatically changes to display Looper footswitch functions. This is a global setting. The two selections here offer the following behaviors when Looper Mode is active: **All Views** shows the Looper controls in the LCD regardless of the currently selected View. **Performance View** shows the Looper screen as the Performance View screen (and allows the 3 Home View screens to still be displayed when toggling the **VIEW** button).

**Knob 4:** When set to "On" allows the echo repeats and/or decay of Delay and Reverb FX to continue when the Model is toggled Off - this affects the FX Loop Block as well...how cool! With the Trails option "Off" the decay is muted instantly when toggling the Model off. Note that the Trails feature does not provide a "spillover" of the FX decay when changing Presets. The Trails setting is saved per Preset.

## Page 2, Setup:Utilities Options

The adjustable options at the bottom of the screen are as follows - all are global settings.

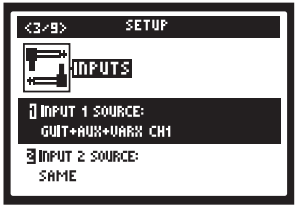
**Knob 1 -** Adjusts the contrast of the POD HD LCD screen.

**Knob 2 -** Choose "On" to have the LED light for the **TAP** footswitch flash to indicate the current Tap Tempo value.

**Knob 3 -** The AC hum typical of the AC Vacuum Tube Heater component is an important part of the tonality of a tube amplifier. We've provided the option here to set the AC Rate to match that of the USA (60Hz) or UK (50Hz) frequency for authenticity and compatibility when feeding POD HD to a tube amp plugged in to either type of power source.

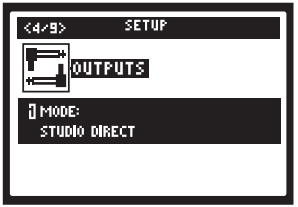
**Knob 4 -** Set knob 4 to ON only when connecting to an FBV Express MKII controller. For all other FBV series controllers this option should be set to OFF.

## Page 3, Setup: Input Options



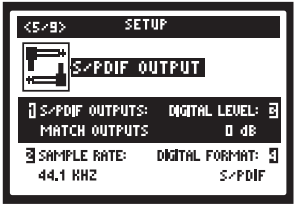

Use this page to choose among the various hardware inputs as a source for your patch.

## Page 4, Setup: Output Options




The **Mode** setting on this page allows you to configure the type of signal fed to your POD HD Pro analog outputs to optimize for direct recording versus connecting to an external amplifier. This is a global setting. **Knob 1 -** Selects the **Output Mode**. **Studio/Direct:** For connecting "Direct" to a mixing console or recording device. **Combo and Stack settings:** These 4 options are all designed to optimize your tone for connecting to an external amplifier. The signal includes "Live" Cab Models,with no Mic Model or "AIR" convolution, with a special EQ curve added for each. **Combo Front** & **Stack Front:** For connecting into the front input of a typical combo amp or amp head + external cab, respectively. When choosing either of these Modes, you'll see additional options for further tone shaping. **Combo Power Amp** & **Stack Power Amp:** For connecting to the power amp of a combo or head amp.

## Page 5, Setup: Digital Output Options




These options are strictly for configuring the signal fed to the **S/PDIF OUT** or **AES/EBU OUT**. Use either of these 24-bit digital connections when connecting to the digital input of other devices, such as a computer audio interface or digital mixing console. Be sure you've syncronized the external device's digital input to the POD HD Pro's digital output. Alternatively, you can sync the POD HD Pro to an external device's digital output.

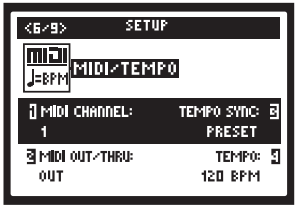
**Knob 1 -** Selects the type of output mode signal fed to the **DIGITAL OUT**: Match Outputs (uses the same output setting as configured on the Page 4 Setup:Outputs screen or Dry Input (your Source Input signal with no Amp, Cab, Mic, "E.R." or FX processing applied).

**Knob 2 -** Selects the sample rate of digital signal: 44.1kHz, 48kHz, 88.2kHz or 96 kHz.

**Knob 3 -** Increases the amplitude of the digital signal: 0 dB (unity gain) to up to +12 dB.

**Knob 4 -** Select which digital output you want to feed to an external device. The options are; **S/PDIF** or **AES/EBU**

## Page 6, MIDI/Tempo Options




**Knob 1 -** Sets the system Base MIDI Channel that POD HD Pro utilizes for both receiving and sending MIDI communication via the MIDI DIN Input/Output.

**Knob 2 -** Allows the MIDI Out DIN to be switched between a MIDI Output versus MIDI Output + Thru.

**Knob 3 -** The "Speed" or "Time" parameters of all tempo-based FX can optionally be set to a note value to follow the above Tap Tempo BPM value. This Tempo Sync option, is a global setting that allows you to choose whether the FX follow the Tap Tempo as a per-Preset value or globally.

**Knob 4 -** This is an alternative way to enter in a tempo or fine-tune the "Tap Tempo" for your current Preset, as opposed to rhythmically pressing on the **TAP** button. This value is saved individually per Preset.

### Page 7, Setup: Variax Options

These options are for use with a Line 6 Variax® guitar when connected to the **VARIAX** input on the back of POD HD Pro. **Knob 1 -** Set to **Enabled** if you'd like POD HD Pro to control your Variax. You'll see additional options in the screen when you have a Variax connected and choose **Enabled**. These options differ depending on the specific Variax type that is connected, (Electric, Acoustic or Bass). Set to **Disabled** and your Variax will be heard, but it won't respond to Preset changes.

### Page 8 & 9, Setup: L6 LINK™

You can configure the POD HD Pro signal to feed to up to four Line 6 DT50™ amplifiers using the Line 6 LINK connection. These settings are saved per Preset. See the additional documentation available online at http://line6.com/support/manuals/

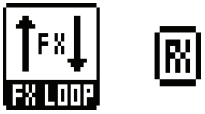
### M Series Effects, HD Amp Modeling, Flexible Signal Routing, and Dynamic DSP…

All this sonic power don't come for free bud – Being able to route up to 8 M Series Effects in any order, pre or post amp, and even a parallel split would be plenty powerful on its own. Add the option to run 2 HD Amp Models, the most authentic Amp Modeling magic yet, and you gotta start to think – Oh, that's a spicy meatball! To create Models with such authenticity, some Models require more DSP resources than others. Rather than greatly reduce the amount of Models and routing options in POD HD Pro, we decided to implement a Dynamic DSP system which allows you to create a huge variety of sounds from a single box! Some Models, such as Pitch Shifters and Reverbs take a lot of the available DSP. Most other FX can require much less, allowing for an increase to the amount of available simultaneous FX. If there is not sufficient DSP to load a particular model, the model select function will indicate that the model is unavailable. Models which are bypassed reserve the DSP they require when enabled to prevent DSP spikes when stomping FX on and off. Unused Models can be set to a disabled or "null" Block to free up more DSP. It might sound complex but it's really quite simple and will be virtually invisible to many users. See the Advanced Guide for more details.

## Visit Us Online

Get the Advanced Guide and more online at **www.line6.com/manuals**. Get up to speed on your POD HD Pro deep editing features with our Advanced User Guide available online. While you're online be sure to register your POD. Registering gets you all set up for warranty service should you have an issue with your Line 6 gear, and also qualifies you for contests, special offers and more.

## Display Icon Reference

| | | | |
|---|---|---|---|
| | | | |
| **HD Amp Model Block** | **Dynamic Effect Block** | **Distortion Effect Block** | **Wah Effect Block** |
| | | | |
| **EQ Effect Block** | **Modulation Effect Block** | **Delay Effect Block** | **Reverb Effect Block** |
| | |  | |
| **Filter Effect Block** | **Pitch Effect Block** | **Effects Loop** | **48 Second Looper** |
| | | | |
| **Multi Effect**<br>(Foot switch On/Off assigned to more than one effect) | | | |